Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/18/2019 09:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122926	-2	1.66	122993	1.67
Blue	F	SSC	125000	124640	-1	1.59	125457	1.56
Blue	E	FITC	16433	16058	-3	2.56	351	19.47
Blue	D	PE	27595	27294	-2	1.80	595	13.71
Blue	B	PerCP-Cy5-5	43183	42300	-3	3.45	1136	19.41
Blue	A	PE-Cy7	31943	31674	-1	5.91	604	39.07
Red	C	APC	42819	42410	-1	2.41	1501	11.89
Red	A	APC-Cy7	31261	30414	-3	2.32	808	11.47
Violet	B	V450	6527	6364	-3	4.31	354	13.09
Violet	A	V500	24533	23782	-4	4.03	552	10.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17673	8.68	607	7	N/A	N/A	Pass
Blue	F	SSC	56827	1.10	551	3	N/A	N/A	Pass
Blue	E	FITC	63	62.06	537	-2	0.0211	108	Pass
Blue	D	PE	123	48.23	534	0	0.2079	334	Pass
Blue	B	PerCP-Cy5-5	211	48.03	643	1	0.0101	78	Pass
Blue	A	PE-Cy7	113	95.59	691	2	0.0119	12	Pass
Red	C	APC	357	24.95	579	-4	0.0257	172	Pass
Red	A	APC-Cy7	178	28.47	558	-5	0.0063	1390	Pass
Violet	B	V450	54	57.66	446	-9	0.0490	1746	Pass
Violet	A	V500	82	30.74	457	-10	0.0253	505	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.80	-32.41	1.01
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	16.17	13.60 - 20.40	N/A	N/A	30.00	30.40	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9592

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments